

Converting Colors

$Y_{xy}(10.8236, 0.2336, 0.3078)$

Have a look what the booklet for
Yxy(10.8236, 0.2336, 0.3078)
contains.

Yxy(10.8236, 0.2336, 0.3078)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(10.8236, 0.2336, 0.3078)$

Conversions

Conversions Part 1

Format	Color
Hex	26656D
RGB	38, 101, 109
RGB Percent	15%, 40%, 43%
CMY	0.8509, 0.6039, 0.5725
CMYK	0.65, 0.07, 0.00, 0.57
HSL	187°, 48%, 29%
HSV	187°, 65%, 43%
XYZ	8.2144, 10.8236, 16.1264
YIQ	83.0750, -40.1160, -10.8680

Conversions

Conversions Part 2

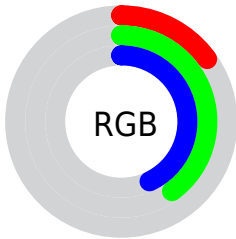
Format	Color
R_{YB}	38, 71, 109
Decimal	2516333
CIE _{Lab}	39.28, -17.22, -10.50
CIE _{LCh}	39, 20.171, 211.381
Yxy	10.8236, 0.2336, 0.3078
Android (android.graphics.Color)	4280706413 (0xFF26656D)
YUV	83.0750, 12.7810, -39.5308
Hunter-Lab	32.8992, -13.0051, -6.0330

Details

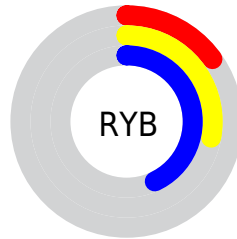
The Yxy color **10.8236, 0.2336, 0.3078** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.3490, 0.4942, 0.3462**, and the grayscale version is **8.6477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2698, 0.2538, 0.3148**, and **2.9861, 0.2147, 0.2930** is the 20% darker color. If you saturate the color by 10%, you get **10.4090, 0.2264, 0.3041**, and if you desaturate by 10%, it is **11.3033, 0.2424, 0.3115**.

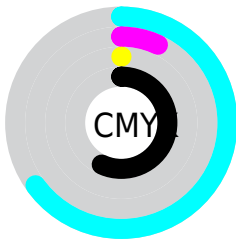
Distribution



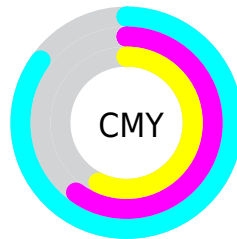
- Red (15%)
- Green (40%)
- Blue (43%)



- Red (15%)
- Yellow (28%)
- Blue (43%)



- Cyan (65%)
- Magenta (7%)
- Yellow (0%)
- Black (57%)





- Cyan (85%)
- Magenta (60%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8236, 0.2336, 0.3078 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 10.8236, 0.2336, 0.3078 by changing the saturation by 10% instead.


 10.8236, 0.2336,
0.3078


 10.8236, 0.2336,
0.3078


196.4533, 0.2815,
0.3220


 5.9483, 0.2176,
0.3021

 27.3335, 0.2536,
0.3143

 2.8137, 0.1939,
0.2925


 39.7370, 0.2603,
0.3162

 1.0353, 0.1485,
0.2764

 55.4186, 0.2656,
0.3177

 0.0000, 0.0000,
0.0000

 74.7628, 0.2699,
0.3189

 98.1540, 0.2735,
0.3199

 125.9765, 0.2766,

0.3207

158.6148, 0.2792,
0.3214

■ 10.8236, 0.2336,
0.3078

■ 10.8236, 0.2336,
0.3078

■ 10.4090, 0.2264,
0.3041

■ 11.3033, 0.2424,
0.3115

■ 10.0529, 0.2210,
0.3004

■ 11.8518, 0.2528,
0.3151

■ 9.7451, 0.2171,
0.2966

■ 12.4737, 0.2645,
0.3185

■ 9.5996, 0.2152,
0.2948

■ 13.1732, 0.2773,
0.3218

■ 13.9538, 0.2910,
0.3248

■ 14.8190, 0.3053,
0.3276

■ 15.7721, 0.3199,
0.3302

■ 16.8161, 0.3346,
0.3326

■ 17.9539, 0.3493,
0.3347

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.8236, 0.2572, 0.3528



10.8236, 0.2336, 0.3078



10.8236, 0.2297, 0.2736

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



10.8236, 0.2336, 0.3078



10.8236, 0.3244, 0.2752



10.8236, 0.3812, 0.4035

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



10.8236, 0.2336, 0.3078



5.3490, 0.4942, 0.3462

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.8236, 0.4028, 0.3761



10.8236, 0.2336, 0.3078



10.8236, 0.3692, 0.3044

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



10.8236, 0.2336, 0.3078



10.8236, 0.2793, 0.2581



10.8236, 0.3987, 0.3403



10.8236, 0.3418, 0.4117

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



10.8236, 0.2336, 0.3078



10.8236, 0.2382, 0.2604



10.8236, 0.3987, 0.3403



10.8236, 0.3909, 0.3960

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



10.8240, 0.2336, 0.3078



24.2034, 0.2835, 0.3232



11.5422, 0.2978, 0.5094



5.5655, 0.2806, 0.3225



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.8240, 0.2336, 0.3078



18.3015, 0.2235, 0.3022



5.4628, 0.2110, 0.2083



3.4365, 0.2997, 0.3266



11.2047, 0.2152, 0.2945



56.2958, 0.2146, 0.2924

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.5795, 0.3360, 0.2005



8.4415, 0.3423, 0.1824



9.2200, 0.4370, 0.4209



3.1583, 0.3152, 0.3107



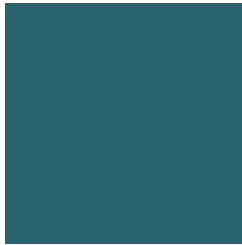
4.8035, 0.3503, 0.1703



24.3953, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 10.8236, 0.2336, 0.3078 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 10.8236, 0.2336, 0.3078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

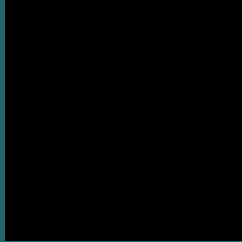
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.8236, 0.2336, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 10.8236, 0.2336, 0.3078.



This preview shows how white text looks on a background with the Yxy color 10.8236, 0.2336, 0.3078.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

10.8236, 0.2336, 0.3078

Protanopia

10.6856, 0.2956, 0.3007

Deuteranopia

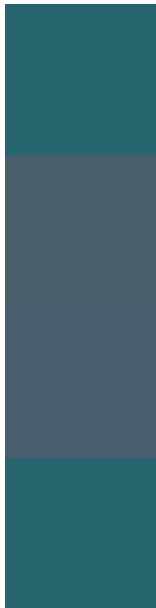
10.6842, 0.2849, 0.2808



Tritanopia

10.8236, 0.2336, 0.3078

Trichromacy



Original Color

10.8236, 0.2336, 0.3078

Protanomaly

10.5821, 0.2676, 0.3040

Deuteranomaly

10.5089, 0.2616, 0.2897

Tritanomaly

10.8236, 0.2336, 0.3078

Monochromacy



Original Color

10.8236, 0.2336, 0.3078

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.2783, 0.2755, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8236, 0.2336, 0.3078 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(38, 101, 109)` looks like.

```
.text, #text, p{  
  color:rgb(38, 101, 109)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(38, 101, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 101, 109) }
```

Border

The CSS property to change the border of an element to Yxy 10.8236, 0.2336, 0.3078 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(38, 101, 109) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(38, 101, 109) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(38, 101, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 101, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 101, 109);  
box-shadow:4px 4px 4px 4px rgb(38, 101,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8236, 0.2336, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 101, 109) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(38, 101,  
109) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor